

Postdoctoral Fellow in Regenerative Medicine and Metabolic Biology

Job summary

A **postdoctoral fellow** position at the Indiana Biosciences Research Institute is available in the Regenerative Medicine and Metabolic Biology group, directed by Dr. Teresa Mastracci. Projects in the lab use animal models, human donor tissue and patient cell lines to understand how critical factors and developmental pathways impact disease. In particular, studies investigate the signals required to produce a healthy pancreas and functional insulin-producing beta cells, with the goal to apply this knowledge to the generation of tools or therapies for diabetes. Moreover, our lab is involved in a multi-investigator collaborative project that recently reported the discovery of a new human monogenic disease; efforts are being made to understand the mechanism driving this clinical phenotype. Applicants must be passionate about conducting scientific research, demonstrate ethics and integrity, and have the ability to work both independently and as an effective member of a research team.

Responsibilities and duties

The position will involve the integration of molecular, biochemical, proteomic, and genetic approaches. Primary responsibilities include:

- Working as part of one or more project teams;
- Maintaining proficiency in designing, managing and performing established and new experimental techniques;
- Generating and analyzing data, as well as communicating experimental results;
- With guidance from the PI, produce scientific manuscripts for publication in peer-reviewed journals, and present research data in house and at scientific conferences;
- Writing and/or assisting in the preparation of applications for external research grants and fellowships.

Qualifications and skills

We are seeking an applicant who is highly motivated, enthusiastic, entrepreneurial and creative, with excellent interpersonal skills, a strong publication record, and ambitious career goals. Specific skills and qualifications for the position include:

- PhD or MD/PhD with strong experience in molecular biology and primary human and animal cell culture is required;
- Experience with mouse models, primary human tissue culture, standard molecular biology and biochemical techniques, and computational skills are desirable;
- Background knowledge in diabetes and genetic disease-related research is preferred.

Interested individuals are encouraged to provide a brief letter stating your accomplishments and interest in the lab's research, curriculum vitae, and a list of three references.

Compensation

NIH scale plus benefits

The Organization

The Indiana Biosciences Research Institute (IBRI) is the first industry-inspired applied research institute focused on the discovery and development of innovative solutions to address major health concerns. Our initial focus areas include diabetes, cardio-metabolic disease, and poor nutrition. IBRI is structured as an independent, non-profit organization strategically positioned in Indianapolis: the center of Indiana's vibrant life sciences network of innovators including corporations, academics, and foundations.

IBRI is building an organization of premier entrepreneurial researchers and innovators. We are motivated to create discoveries that transform into solutions that positively impact people's lives. Our mission of "Discovery with Purpose" prioritizes recruiting exceptional talent, building a highly-collaborative culture, and establishing a diverse portfolio of projects and programs supported by industry, government, and philanthropic sources.